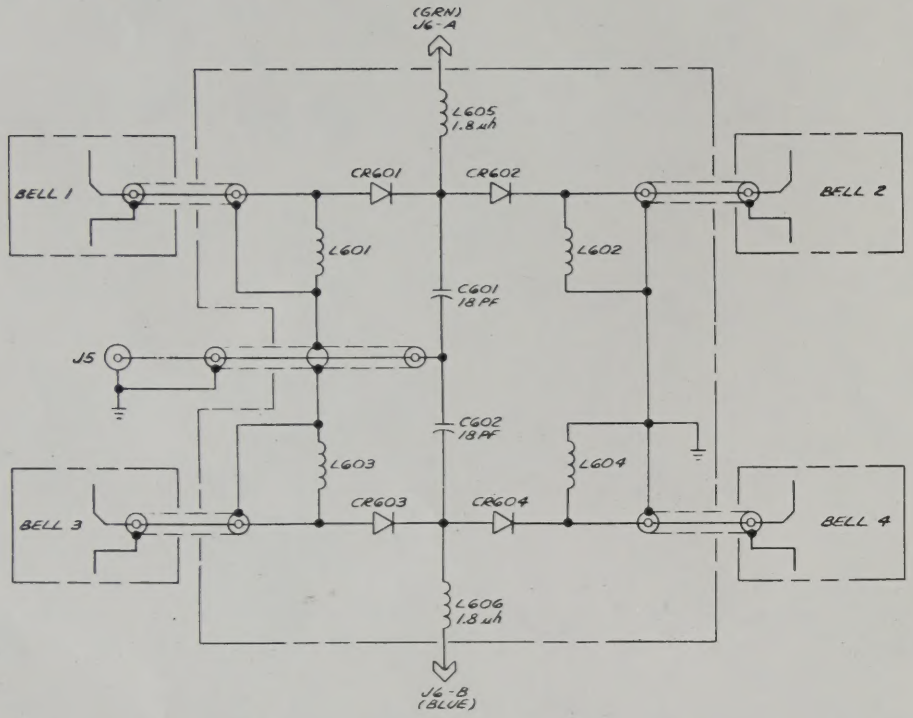
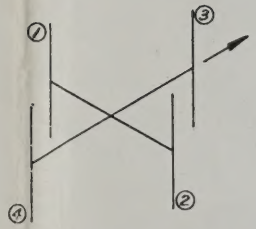
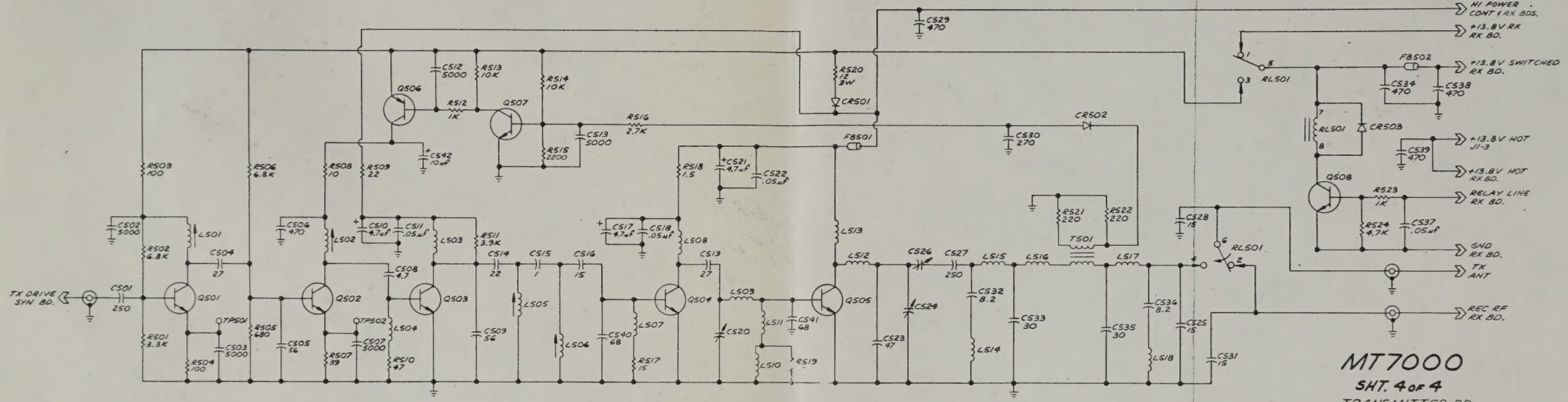

(GRN)
J6-A
L605
1.8 uh
BELL 1
CR601
CR602
BELL 2
L601
L602
C601
18 PF
J5
C602
18 PF
L603
L604
BELL 3
CR603
CR604
BELL 4
L606
1.8 uh
J6-B
(BLUE)

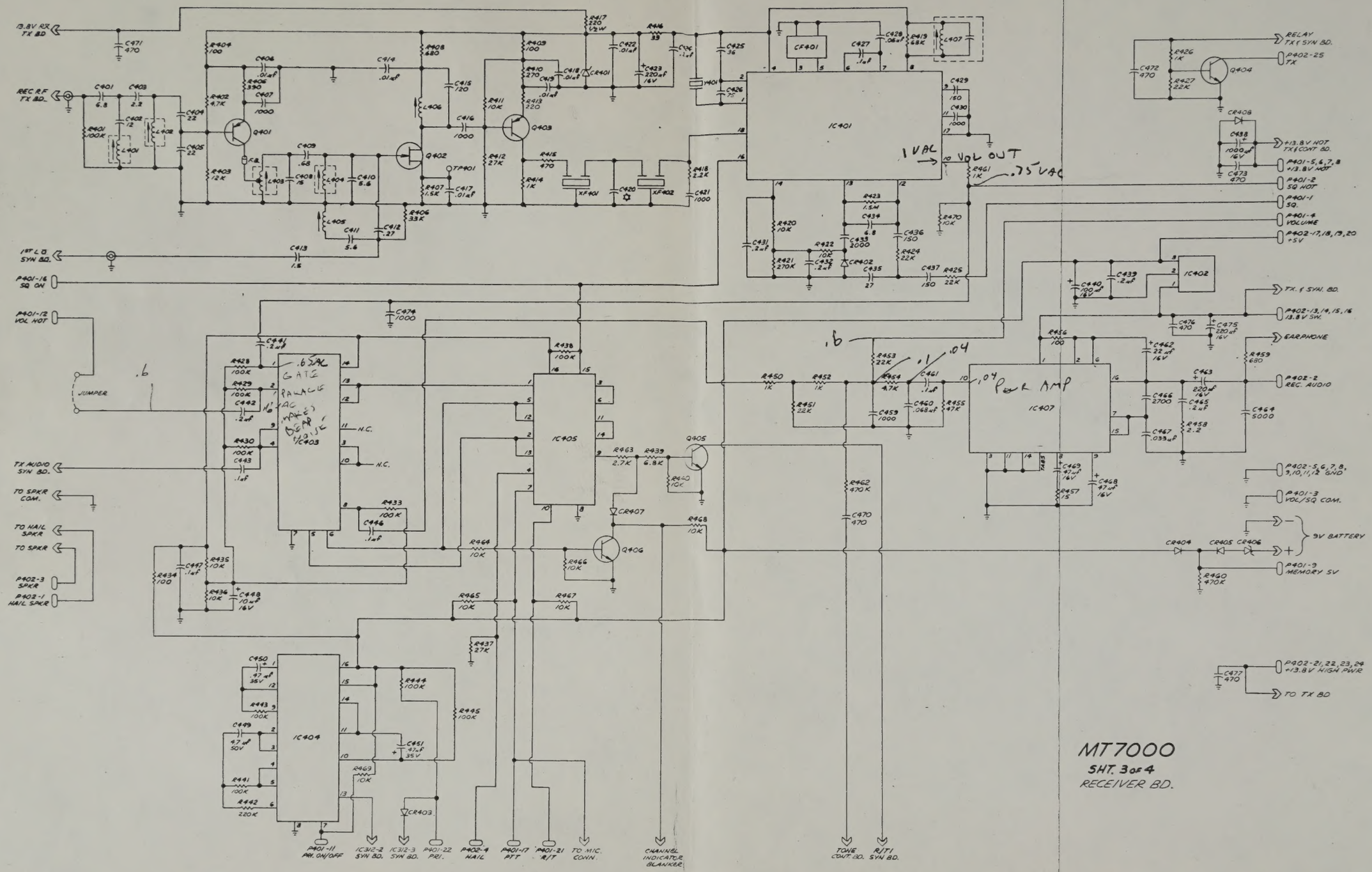

1
2
3
4



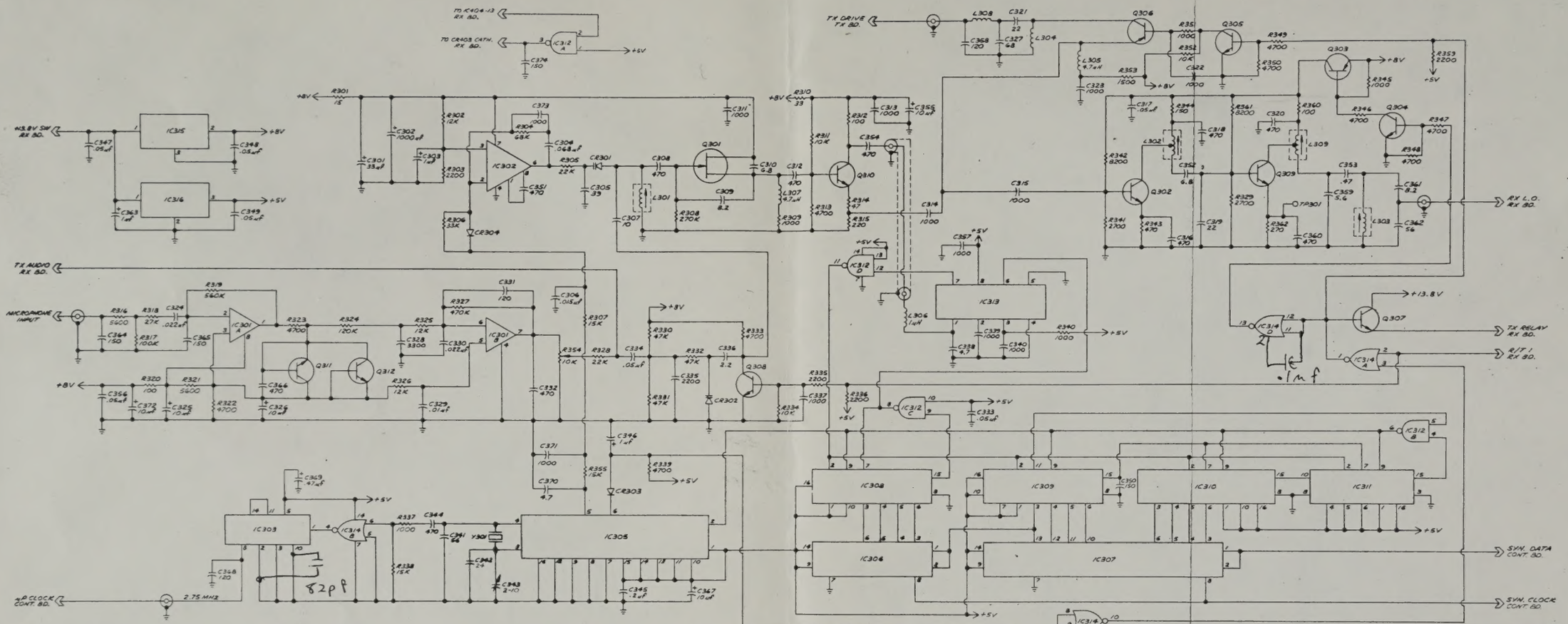
MT7000

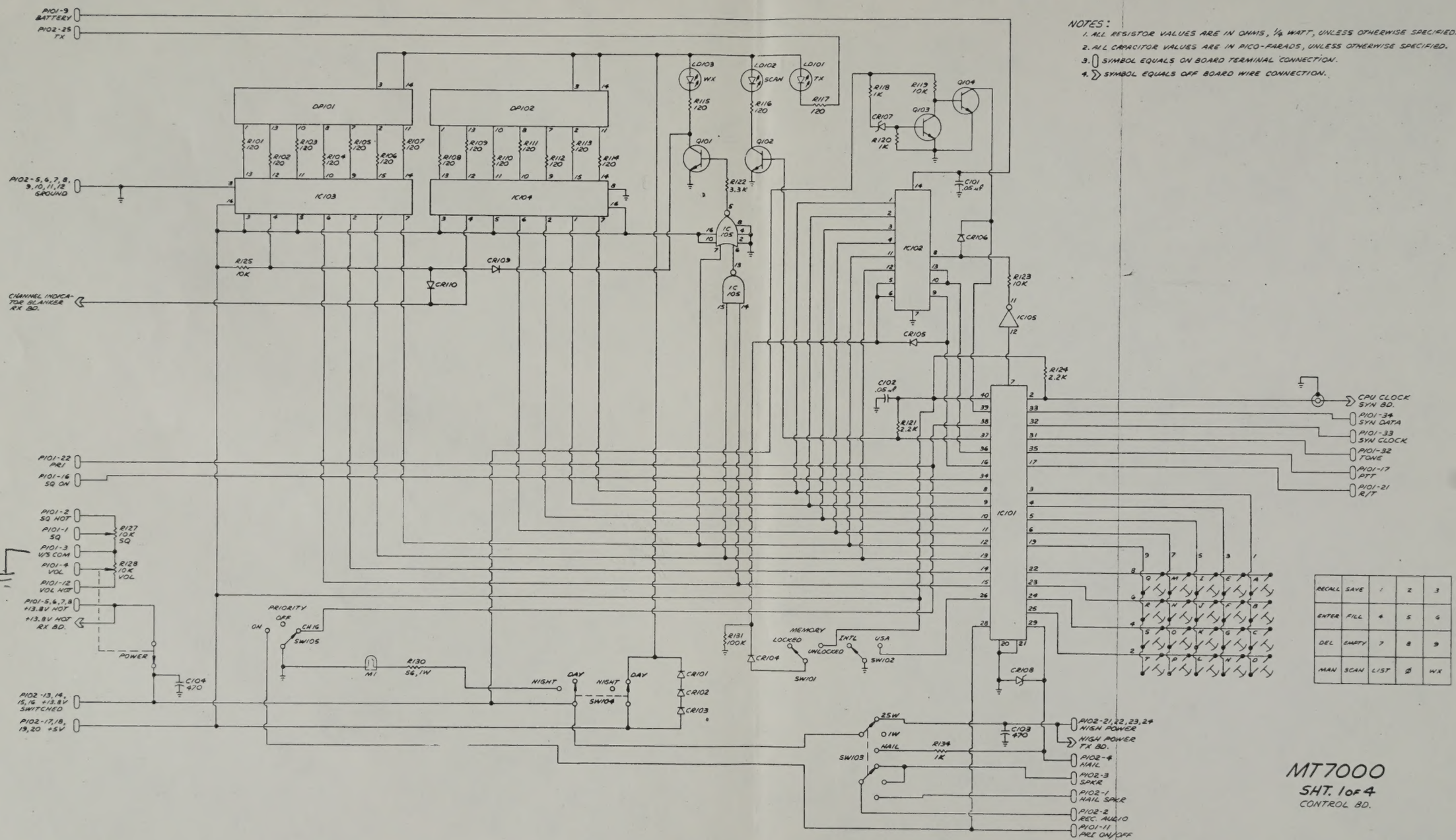
SHT. 4 OF 4

TRANSMITTER BD.

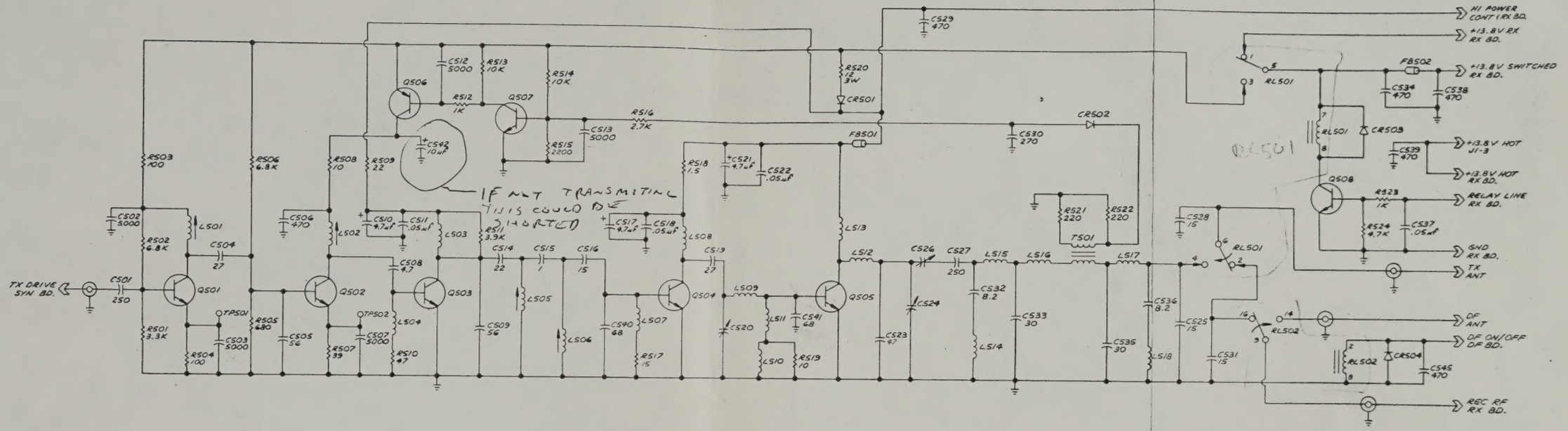


MT7000
SHT. 3 OF 4
RECEIVER BD.

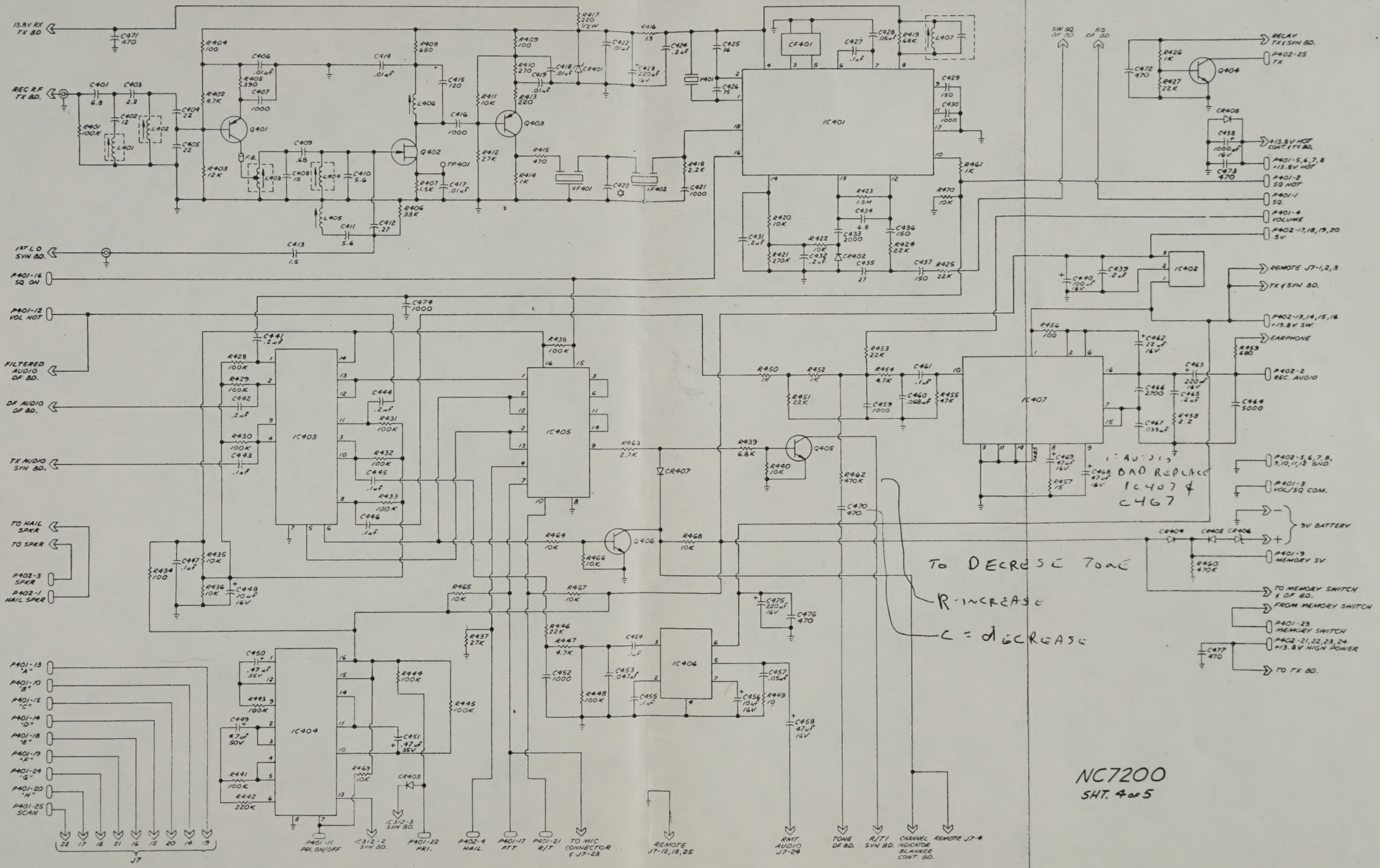

MT7000
SHT. 2 OF 4
SYNTHESIZER BD.

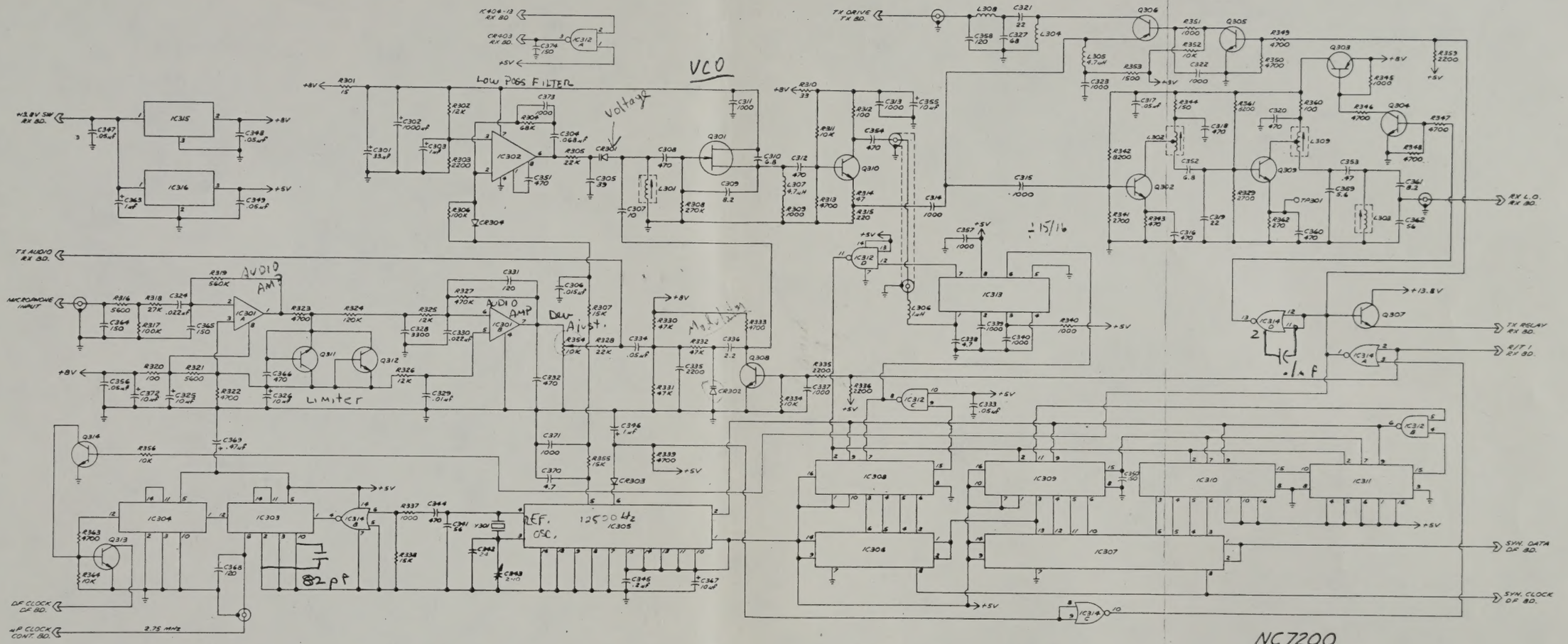


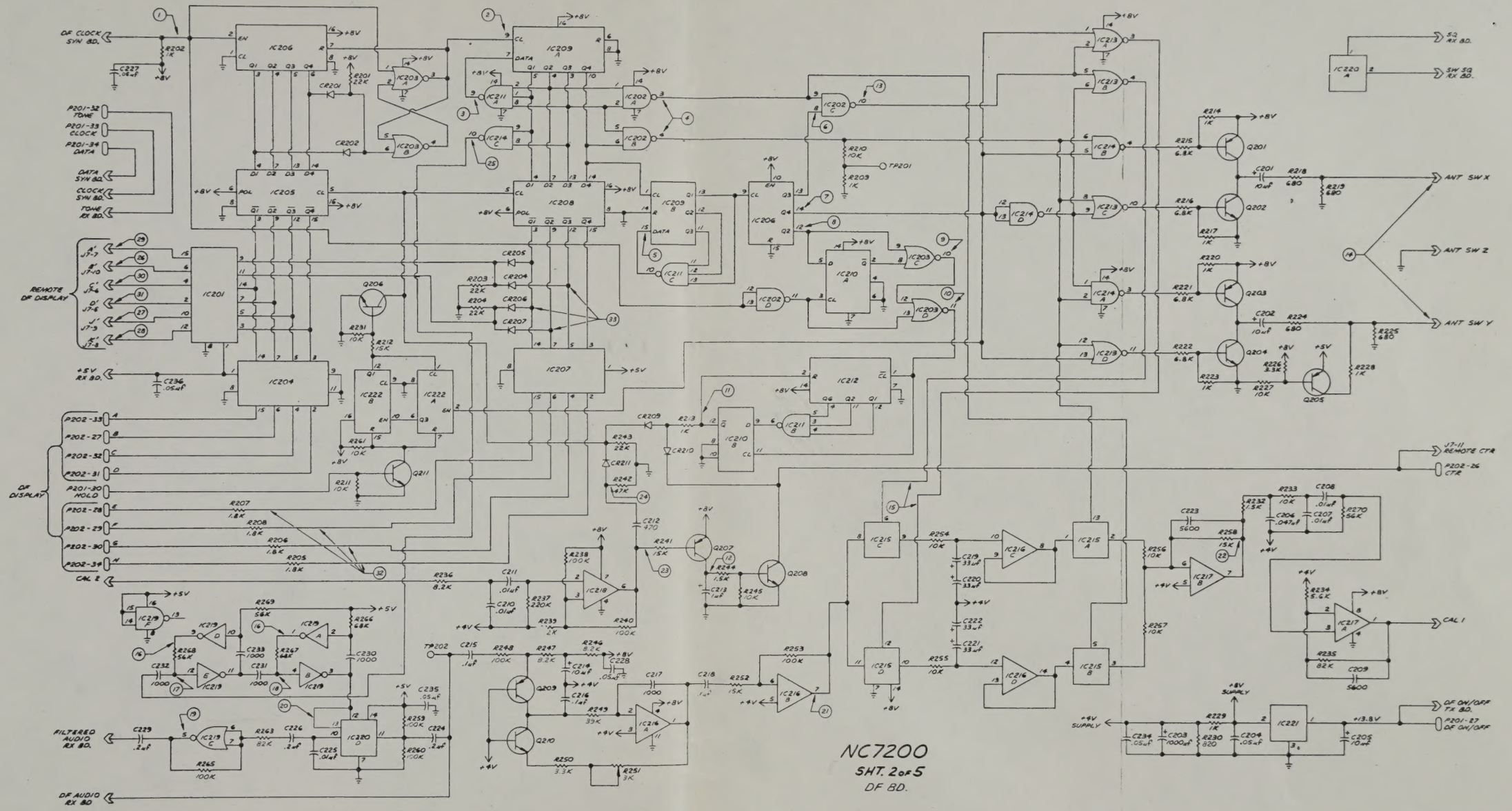
MT7000
SHT. 1 OF 4
CONTROL BD.

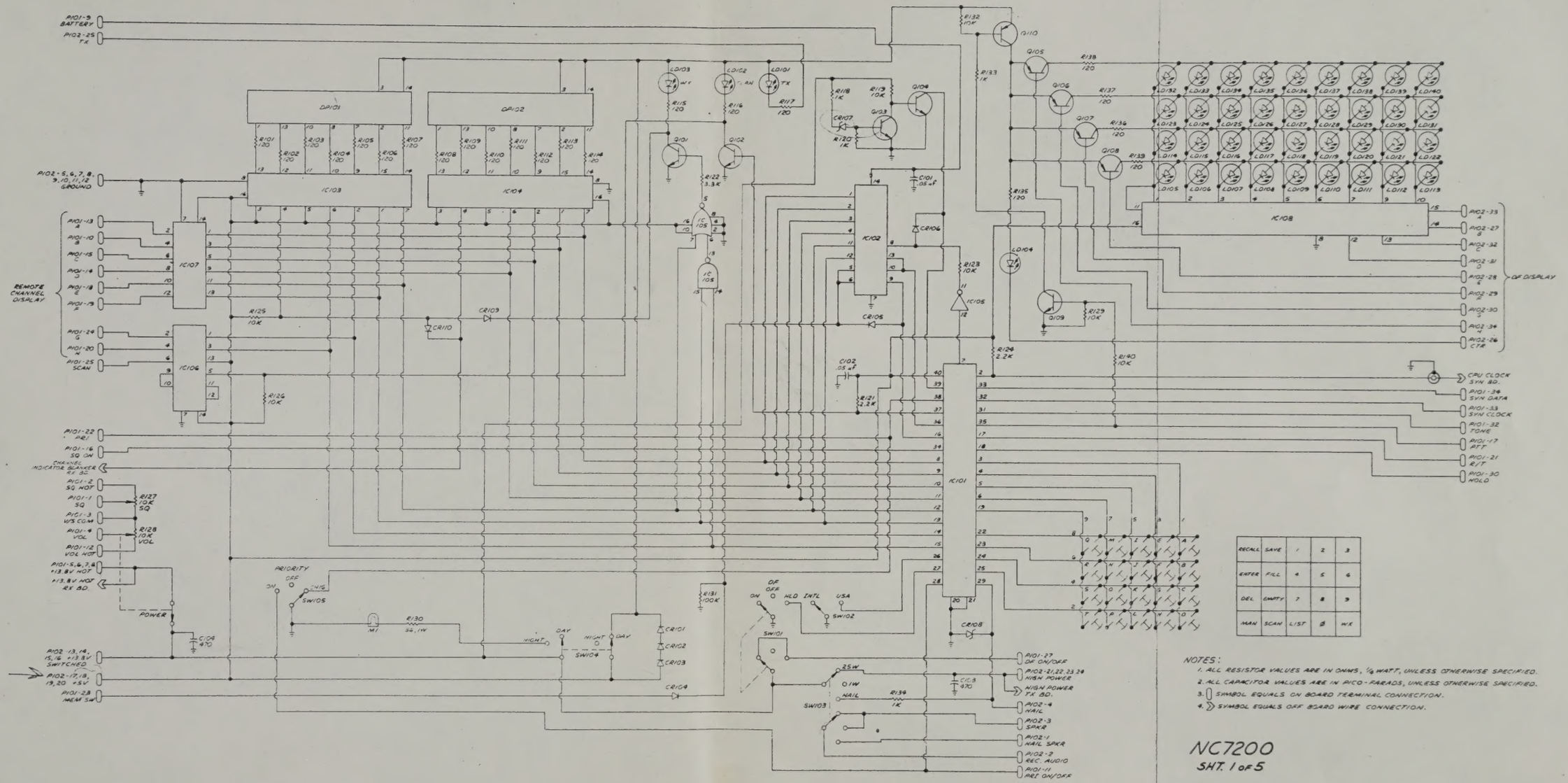


NC7200
SHT. 5 OF 5


13.8V RX TX BD
REC RF TX BD.
1ST LO SYN BD.
P401-16 SQ ON
P401-12 VOL HOT
FILTERED AUDIO OF BD.
DF AUDIO OF BD.
TX AUDIO SYN BD.
TO HAIL SPKR
TO SPKR
P402-3 SPKR
P402-1 HAIL SPKR
P401-13 "A"
P401-10 "B"
P401-15 "C"
P401-14 "D"
P401-18 "E"
P401-19 "F"
P401-24 "G"
P401-20 "H"
P401-25 SCAN
22 17 18 21 16 15 20 14 19
J7
IC401
IC402
IC403
IC404
IC405
IC406
IC407
CR401
CR402
CR403
CR407
Q401
Q402
Q403
Q404
Q405
Q406
Y401
XF401
XF402
TP401
P401-11 PH. ON/OFF
IC312-2 SYN BD.
P401-22 PRI.
IC312-3 SYN BD.
P402-4 HAIL
P401-17 PTT
P401-21 R/T
TO MIC CONNECTOR & J7-23
REMOTE J7-12,13,25
RMT. AUDIO J7-24
TONE OF BD.
R/T SYN BD.
CHANNEL INDICATOR BLANKER CONT. BD.
REMOTE J7-4
SW SQ OF BD
SQ OF BD
RELAY TX (SYN BD.
P402-25 TX
+13.8V HOT CONT. TX BD.
P401-5,6,7,8 +13.8V HOT
P401-2 SQ HOT
P401-1 SQ.
P401-4 VOLUME
P402-17,18,19,20 5V
REMOTE J7-1,2,3
TX (SYN BD.
P402-13,14,15,16 +13.8V SW.
EARPHONE
P402-2 REC. AUDIO
P402-5,6,7,8, 9,10,11,12 GND
P401-3 VOL/SQ COM.
3V BATTERY
P401-9 MEMORY 5V
TO MEMORY SWITCH & OF BD.
FROM MEMORY SWITCH
P401-23 MEMORY SWITCH
P402-21,22,23,24 +13.8V HIGH POWER
TO TX BD.
IF AUDIO BAD REPLACE IC407 & C467
To DECREASE TONE
R-INCREASE
C = DECREASE
NC7200
SHT. 4 of 5


VCO
Low Pass Filter
Voltage
Audio Amp
Limiter
Ref. 12500 Hz Osc.
÷15/16
NC7200
SHT. 3 of 5


DF CLOCK SYN BD.
DATA SYN BD.
CLOCK SYN BD.
TONE RX BD.
REMOTE DF DISPLAY
+5V RX BD.
DF DISPLAY
CAL 2
FILT&REQ AUDIO RX BD.
DF AUDIO RX BD
IC206
IC209
IC211
IC214
IC203
IC202
IC205
IC208
IC207
IC201
IC204
IC222
IC212
IC210
IC213
IC220
IC219
IC218
IC217
IC216
IC215
IC221
Q201
Q202
Q203
Q204
Q205
Q206
Q207
Q208
Q209
Q210
Q211
ANT SW X
ANT SW Z
ANT SW Y
J7-11 REMOTE CTR
P202-26 CTR
CAL 1
DF ON/OFF TX BD.
P201-27 DF ON/OFF
+8V SUPPLY
+4V SUPPLY
+13.8V
NC7200
SHT. 2 OF 5
DF BD.



NOTES:

1. ALL RESISTOR VALUES ARE IN OHMS, 1/8 WATT, UNLESS OTHERWISE SPECIFIED.
2. ALL CAPACITOR VALUES ARE IN PICO-FARADS, UNLESS OTHERWISE SPECIFIED.
3. ⏚ SYMBOL EQUALS ON BOARD TERMINAL CONNECTION.
4. ⟩⟩ SYMBOL EQUALS OFF BOARD WIRE CONNECTION.

NC7200
SHT. 1 OF 5